

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (canceled)

1 Claim 2 (currently amended): A machine-implemented method
2 for processing a document, the machine-implemented method
3 comprising:
4 a) segmenting, with a machine, the document into
5 components; and
6 b) for each of the components,
7 i) analyzing anchors of the component,
8 ii) analyzing non-anchor text of the component,
9 and
10 iii) re-authoring the component, wherein the act
11 of re-authoring the component is controlled using
12 the analysis of the anchors and the
13 non-anchor-text of the component,
14 ~~The machine-implemented method of claim 1~~ wherein the act
15 of re-authoring the component is controlled based on a
16 number of anchors in the component and a number of
17 non-anchor words in the component.

1 Claim 3 (currently amended): The machine-implemented
2 method of claim 2 ~~1~~ wherein
3 i) the act of analyzing anchors of the component
4 includes determining, with the machine, a number
5 of anchors in the component,
6 ii) the act of analyzing non-anchor-text of the
7 component includes determining, with the machine,
8 a number of non-anchor words in the component,
9 and

10 iii) if the number of anchors is greater than a
11 predetermined threshold and if the number of
12 anchors is greater than the number of non-anchor
13 words, then controlling the act of re-authoring
14 the component to apply a special reformatting.

1 Claim 4 (currently amended): The machine-implemented
2 method of claim 2 ± wherein the acts of re-authoring the
3 components of the document effectively reformat the
4 document from a format for effectively rendering the
5 document on a display of a first size to a format for
6 effectively rendering the document on a smaller display.

1 Claim 5 (previously presented): The machine-implemented
2 method of claim 3 wherein the predetermined threshold is
3 three.

1 Claim 6 (currently amended): The machine-implemented
2 method of claim 2 ± wherein
3 i) the act of analyzing anchors of the component
4 includes determining, with the machine, a first
5 count to be a number of anchors in the component,
6 ii) the act of analyzing non-anchor-text of the
7 component includes determining, with the machine,
8 a second count to be a number of non-anchor words
9 in the component, and incrementing, with the
10 machine, the second count by the number of words
11 in an anchor having more words than a
12 predetermined threshold to determine a non-anchor
13 word count, and
14 iv) if the first count is greater than a second
15 predetermined threshold and if the first count is

16 greater than the non-anchor word count, then
17 controlling the act of re-authoring the component
18 to apply a special reformatting.

Claim 7 (canceled)

1 Claim 8 (previously presented): The machine-implemented
2 method of claim 6 wherein the predetermined threshold is
3 four.

1 Claim 9 (currently amended): The machine-implemented
2 method of claim 2 ~~4~~ wherein the act of segmenting the
3 document into components includes generating, with the
4 machine, a parse tree based on the document, wherein a
5 first node corresponding to a first component is a child of
6 a second node of a second component if the first component
7 is included in the second component.

1 Claim 10 (previously presented): The machine-implemented
2 method of claim 9 wherein the act of re-authoring the
3 component is controlled using (i) a number of anchors in a
4 node corresponding to the component and all descendant
5 nodes of the node, and (ii) a number of non-anchor words in
6 the node corresponding to the component and all the
7 descendant nodes of the node.

1 Claim 11 (previously presented): The machine-implemented
2 method of claim 9 wherein
3 i) the act of analyzing anchors of the component
4 includes determining, with the machine, a number
5 of anchors in a node corresponding to the
6 component and all descendant nodes of the node,

7 ii) the act of analyzing non-anchor-text of the
8 component includes determining, with the machine,
9 a number of non-anchor words in the node
10 corresponding to the component and all the
11 descendant nodes of the node, and
12 iii) if the number of anchors is greater than a
13 predetermined threshold and if the number of
14 anchors is greater than the number of non-anchor
15 words, then controlling the act of re-authoring
16 the component to apply a special reformatting.

Claim 12 (canceled)

1 Claim 13 (previously presented): The machine-implemented
2 method of claim 11 wherein the predetermined threshold is
3 three.

1 Claim 14 (previously presented): The machine-implemented
2 method of claim 9 wherein
3 i) the act of analyzing anchors of the component
4 includes determining, with the machine, a first
5 count to be a number of anchors in a node
6 corresponding to the component and all descendant
7 nodes of the node,
8 ii) the act of analyzing non-anchor-text of the
9 component includes determining, with the machine,
10 a second count to be a number of non-anchor words
11 in a node corresponding to the component and all
12 descendant nodes of the node,
13 iii) incrementing, with the machine, the second
14 count by the number of words in an anchor having

15 more words than a predetermined threshold to
16 determine a non-anchor word count, and
17 iv) if the first count is greater than a second
18 predetermined threshold and if the first count is
19 greater than the non-anchor word count, then
20 controlling the act of re-authoring the component
21 to apply a special reformatting.

Claim 15 (canceled)

1 Claim 16 (currently amended): A machine-implemented method
2 for processing a document, the method comprising:
3 a) segmenting, with the machine, the document into
4 components;
5 b) for each of the components, determining, with the
6 machine, whether or not the component is a navigation
7 bar; and
8 c) for each of the components that is determined to
9 be a navigation bar,
10 i) classifying, with the machine, the navigation
11 bar as one of (A) a navigation bar of a first
12 type, and (B) a navigation bar of a second type,
13 and
14 ii) re-authoring the navigation bar, wherein the
15 re-authoring of the navigation bar is controlled
16 based on whether the navigation bar was
17 classified as a navigation bar of a first type or
18 a navigation bar of a second type,
19 ~~The machine implemented method of claim 15 wherein the act~~
20 ~~of determining, for each of the components, whether or not~~
21 ~~the component is a navigation bar is based on a number of~~

22 anchors in the component and a number of non-anchor words
23 in the component.

1 Claim 17 (currently amended): The machine-implemented
2 method of claim 16 ~~15~~ wherein the act of determining
3 whether or not the component is a navigation bar includes
4 i) determining, with the machine, a number of
5 anchors in the component,
6 ii) determining, with the machine, a number of
7 non-anchor words in the component, and
8 iii) if the number of anchors is greater than a
9 predetermined threshold and if the number of
10 anchors is greater than the number of non-anchor
11 words, then determining, with the machine, that
12 the component is a navigation bar.

1 Claim 18 (currently amended): A machine-implemented method
2 for processing a document, the method comprising:
3 a) segmenting, with the machine, the document into
4 components;
5 b) for each of the components, determining, with the
6 machine, whether or not the component is a navigation
7 bar; and
8 c) for each of the components that is determined to
9 be a navigation bar,
10 i) determining, with the machine, whether or not
11 the navigation bar is disqualified from being
12 classified as an objectionable navigation bar,
13 and
14 ii) re-authoring the navigation bar, wherein the
15 re-authoring of the navigation bar is controlled
16 using the determination of whether or not the

17 navigation bar is disqualified from being
18 classified as an objectionable navigation bar,
19 ~~The machine-implemented method of claim 15~~ wherein the act,
20 for each of the components that is determined to be a
21 navigation bar, of determining whether or not the
22 navigation bar is disqualified from being classified as an
23 objectionable navigation bar includes determining, with the
24 machine, whether a disqualification condition, selected
25 from a group of disqualification conditions consisting of
26 (a) if the component has less than a predetermined number
27 of anchors, (b) if the component has more than a
28 predetermined percentage of words of the document, and (c)
29 if the component is an element of a disqualified component
30 and that disqualified component has only navigation bar
31 elements, exists.

1 Claim 19 (previously presented): The machine-implemented
2 method of claim 16 wherein the act, for each of the
3 components that is determined to be a navigation bar, of
4 determining whether or not the navigation bar is
5 disqualified from being classified as an objectionable
6 navigation bar includes determining, with the machine,
7 whether a disqualification condition, selected from a group
8 of disqualification conditions consisting of (a) if the
9 component has less than a predetermined number of anchors,
10 (b) if the component has more than a predetermined
11 percentage of words of the document, and (c) if the
12 component is an element of a disqualified component and
13 that disqualified component has only navigation bar
14 elements, exists.

1 Claim 20 (previously presented): The machine-implemented
2 method of claim 17 wherein the act, for each of the
3 components that is determined to be a navigation bar, of
4 determining whether or not the navigation bar is
5 disqualified from being classified as an objectionable
6 navigation bar includes determining, with the machine,
7 whether a disqualification condition, selected from a group
8 of disqualification conditions consisting of (a) if the
9 component has less than a predetermined number of anchors,
10 (b) if the component has more than a predetermined
11 percentage of words of the document, and (c) if the
12 component is an element of a disqualified component and
13 that disqualified component has only navigation bar
14 elements, exists.

Claim 21 (canceled)

1 Claim 22 (currently amended): A machine-implemented method
2 for processing a document, the machine-implemented method
3 comprising:
4 a) segmenting, with a machine, the document into
5 components by generating a parse tree based on the
6 document, wherein a first node corresponding to a
7 first component is a child of a second node of a
8 second component if the first component is included in
9 the second component;
10 b) for each of the nodes of the parse tree,
11 determining, with the machine, whether or not the node
12 corresponds to a navigation bar component; and
13 c) for each of the nodes that is determined to
14 correspond to a navigation bar,

15 i) determining, with the machine, whether or not
16 the navigation bar is disqualified from being
17 classified as an objectionable navigation bar,
18 and
19 ii) re-authoring the navigation bar, wherein the
20 re-authoring of the navigation bar is controlled
21 using the determination of whether or not the
22 navigation bar is disqualified from being
23 classified as an objectionable navigation bar,
24 ~~The machine implemented method of claim 21~~ wherein the act,
25 for each of the nodes that is determined to correspond to a
26 navigation bar, of determining whether or not the
27 navigation bar is disqualified from being classified as an
28 objectionable navigation bar includes determining, with the
29 machine, whether a disqualification condition, selected
30 from a group of disqualification conditions consisting of
31 (a) if the component associated with the node has less than
32 a predetermined number of anchors, (b) if the component
33 associated with the node has more than a predetermined
34 percentage of words of the document, and (c) if the node
35 has a disqualified ancestor node and that all descendant
36 nodes of the disqualified ancestor node are associated with
37 navigation bar components, exists.

1 Claim 23 (currently amended): A machine-readable medium
2 having machine executable instructions thereon, wherein
3 when the machine executable instructions are executed on a
4 machine, the machine:

- 5 a) segments the document into components; and
- 6 b) for each of the components,
 - 7 i) analyzes anchors of the component,

8 ii) analyzes non-anchor text of the component,
9 and
10 iii) re-authors the component, wherein the act
11 of re-authoring the component is controlled using
12 the analysis of the anchors and the
13 non-anchor-text of the component,
14 wherein the act of re-authoring the component is
15 controlled based on a number of anchors in the component
16 and a number of non-anchor words in the component.

1 Claim 24 (currently amended): A machine-readable medium
2 having machine executable instructions thereon, wherein
3 when the machine executable instructions are executed on a
4 machine, the machine:
5 a) segments the document into components;
6 b) for each of the components, determines whether or
7 not the component is a navigation bar; and
8 c) for each of the components that is determined to
9 be a navigation bar,
10 i) determines whether or not the navigation bar
11 is disqualified from being classified as an
12 objectionable navigation bar, and
13 ii) re-authors the navigation bar, wherein the
14 re-authoring of the navigation bar is controlled
15 using the determination of whether or not the
16 navigation bar is disqualified from being
17 classified as an objectionable navigation bar,
18 wherein the act, for each of the nodes that is
19 determined to correspond to a navigation bar, of
20 determining whether or not the navigation bar is
21 disqualified from being classified as an objectionable
22 navigation bar includes determining, with the machine,

23 whether a disqualification condition, selected from a group
24 of disqualification conditions consisting of (a) if the
25 component associated with the node has less than a
26 predetermined number of anchors, (b) if the component
27 associated with the node has more than a predetermined
28 percentage of words of the document, and (c) if the node
29 has a disqualified ancestor node and that all descendant
30 nodes of the disqualified ancestor node are associated with
31 navigation bar components, exists.

1 Claim 25 (currently amended): An apparatus for detecting
2 navigation bars in a document, the apparatus comprising:
3 a) means for segmenting the document into components;
4 and
5 b) means for, for each of the components,
6 i) analyzing anchors of the component,
7 ii) analyzing non-anchor text of the component,
8 and
9 iii) re-authoring the component, wherein the act
10 of re-authoring the component is controlled using
11 the analysis of the anchors and the
12 non-anchor-text of the component,
13 wherein the means for re-authoring the component
14 control the re-authoring based on a number of anchors in
15 the component and a number of non-anchor words in the
16 component.

1 Claim 26 (currently amended): An apparatus for detecting
2 objectionable navigation bars in a document, the apparatus
3 comprising:
4 a) means for segmenting the document into components;

5 b) means for determining, for each of the components,
6 whether or not the component is a navigation bar; and
7 c) means for, for each of the components that is
8 determined to be a navigation bar,

9 i) determining whether or not the navigation bar
10 is disqualified from being classified as an
11 objectionable navigation bar, and

12 ii) re-authoring the navigation bar, wherein the
13 re-authoring of the navigation bar is controlled
14 using the determination of whether or not the
15 navigation bar is disqualified from being
16 classified as an objectionable navigation bar,

17 wherein the act, for each of the nodes that is
18 determined to correspond to a navigation bar, of
19 determining whether or not the navigation bar is
20 disqualified from being classified as an objectionable
21 navigation bar includes determining, with the machine,
22 whether a disqualification condition, selected from a group
23 of disqualification conditions consisting of (a) if the
24 component associated with the node has less than a
25 predetermined number of anchors, (b) if the component
26 associated with the node has more than a predetermined
27 percentage of words of the document, and (c) if the node
28 has a disqualified ancestor node and that all descendant
29 nodes of the disqualified ancestor node are associated with
30 navigation bar components, exists.

1 Claim 27 (currently amended): The machine-implemented
2 method of claim 2 ± wherein the acts of re-authoring the
3 components of the document effectively reformat the
4 document from HTML to WML.

1 Claim 28 (currently amended): The machine-implemented
2 method of claim 16 ~~15~~ wherein the acts of re-authoring the
3 components of the document effectively reformat the
4 document from HTML to WML.

1 Claim 29 (currently amended): The machine-implemented
2 method of claim 22 ~~21~~ wherein the acts of re-authoring the
3 components of the document effectively reformat the
4 document from HTML to WML.

1 Claim 30 (previously presented): The machine-implemented
2 method of claim 3 wherein the special reformatting reduces
3 a number of display screen lines on which navigation bar
4 information is presented.

1 Claim 31 (previously presented): The machine-implemented
2 method of claim 6 wherein the special reformatting reduces
3 a number of display screen lines on which navigation bar
4 information is presented.

1 Claim 32 (previously presented): The machine-implemented
2 method of claim 3 wherein the special reformatting replaces
3 a navigation bar with a link to the navigation bar.

1 Claim 33 (previously presented): The machine-implemented
2 method of claim 6 wherein the special reformatting replaces
3 a navigation bar with a link to the navigation bar.